

**Abstract**

Method (600, 800, 1000) for transmitting data on a packet data channel, where the packet data channel is formed by sequential radio bursts in certain time slots in a certain sequence of radio frames, data is transmitted (801) in data blocks, a packet data channel is used by a number of packet data connections and an identifier in each data block is used (801) to indicate the connection to which the data block is related. Furthermore, the number of radio bursts, using which a data block is transmitted, is selected (802, 1002) from a certain set of values, which set contains at least two values. A mobile station, an arrangement and a network element are also presented.

Fig. 5.

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